Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008707.D
Acq On : 28 Dec 2016 23:21
Operator : UM/SJ
Sample : H6067-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F6

Manual Integrations APPROVED
mohammad
12/30/2016 8:54:07 AM

Quant Time: Dec 29 05:03:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	535m	0.40	ng/ul	-0.17
2) Naphthalene-d8	10.43	136	1519	0.40	ng/ul	-0.13
6) Acenaphthene-d10	14.28	164	1009m	0.40	ng/ul	-0.07
10) Phenanthrene-d10	17.04	188	1955m	0.40	ng/ul	-0.07
16) Chrysene-d12	21.24	240	2066m	0.40	ng/ul	-0.04
20) Perylene-d12	23.54	264	4142	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	314	0.13	ng/ul	-0.11
14) Fluoranthene-d10	19.08	212	1136m	0.21	ng/ul	-0.06
Target Compounds						Qvalue
3) Naphthalene	10.48	128	2543	0.60	ng/ul	97
5) 2-Methylnaphthalene	12.12	142	588	0.20	ng/ul	100
7) Acenaphthylene	14.00	152	47825	10.48	ng/ul#	94
8) Acenaphthene	14.35	153	1338	0.39	ng/ul#	89
9) Fluorene	15.34	166	3976	1.01	ng/ul	87
12) Phenanthrene	17.07	178	21762m	3.65	ng/ul	
13) Anthracene	17.16	178	101822	17.56	ng/ul#	94
15) Fluoranthene	19.10	202	136248	18.62	ng/ul	94
17) Pyrene	19.48	202	153830	19.26	ng/ul	95
18) Benzo(a)anthracene	21.22	228	295584m	43.57	ng/ul	
19) Chrysene	21.28	228	409163	55.09	ng/ul	92
21) Benzo(b)fluoranthene	22.81	252	749512m	45.93	ng/ul	
22) Benzo(k)fluoranthene	22.85	252	146003m	9.18	ng/ul	
23) Benzo(a)pyrene	23.38	252	416955	27.57	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.72	276	300100	16.65	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.71	278	100411m	6.97	ng/ul	
26) Benzo(g,h,i)perylene	26.40	276	266092	17.22	ng/ul#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008707.D
Acq On : 28 Dec 2016 23:21
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Misc :
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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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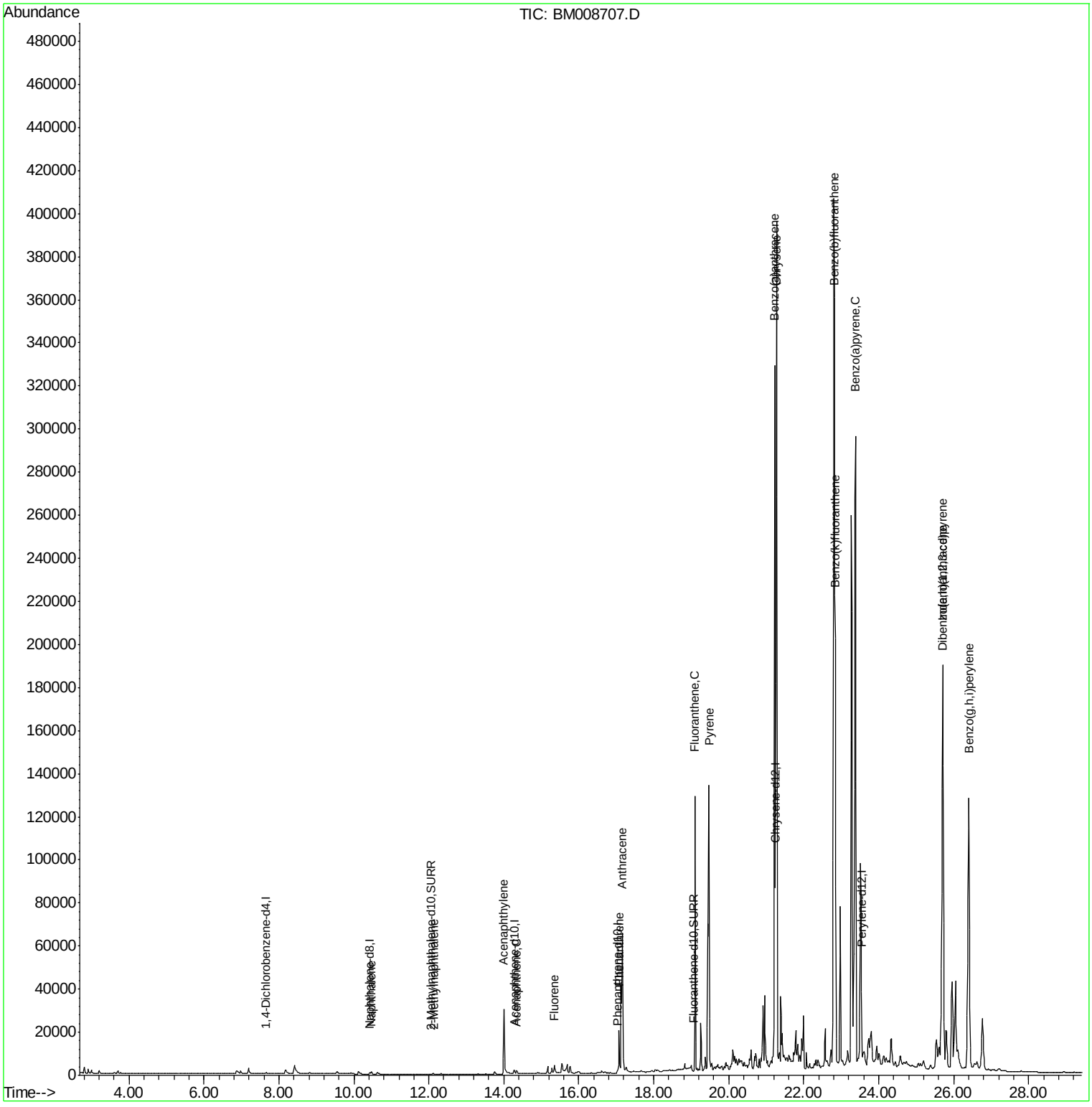
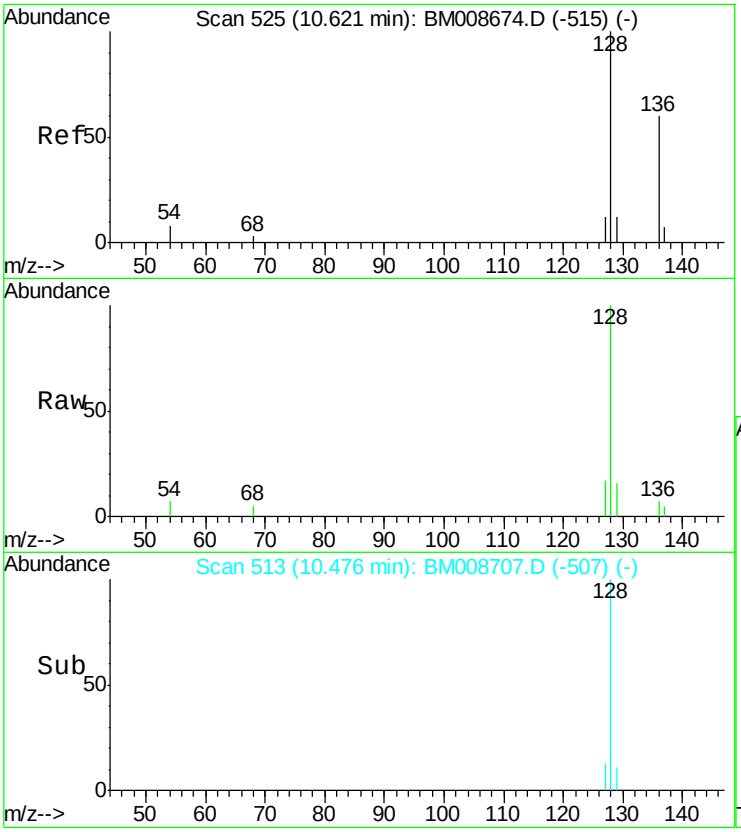
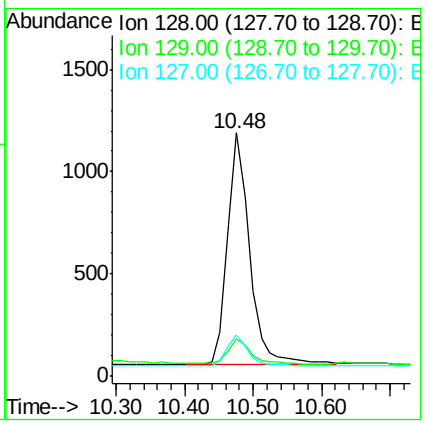




#3
Naphthalene
Concen: 0.60 ng/ul
RT: 10.48 min Scan# 513
Delta R.T. -0.13 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:128 Resp: 2543

Ion	Ratio	Lower	Upper
128	100		
129	15.5	11.3	16.9
127	16.8	12.8	19.2



Instrument :
BNA_M
ClientSampleId :
DA7F6

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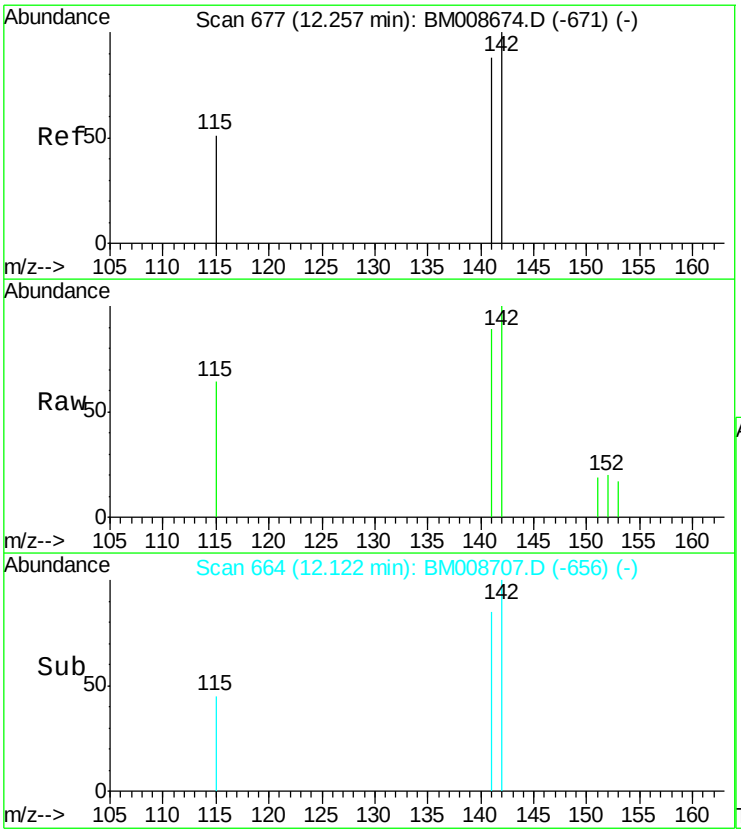
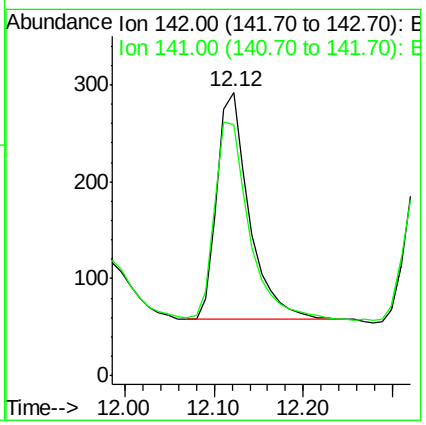
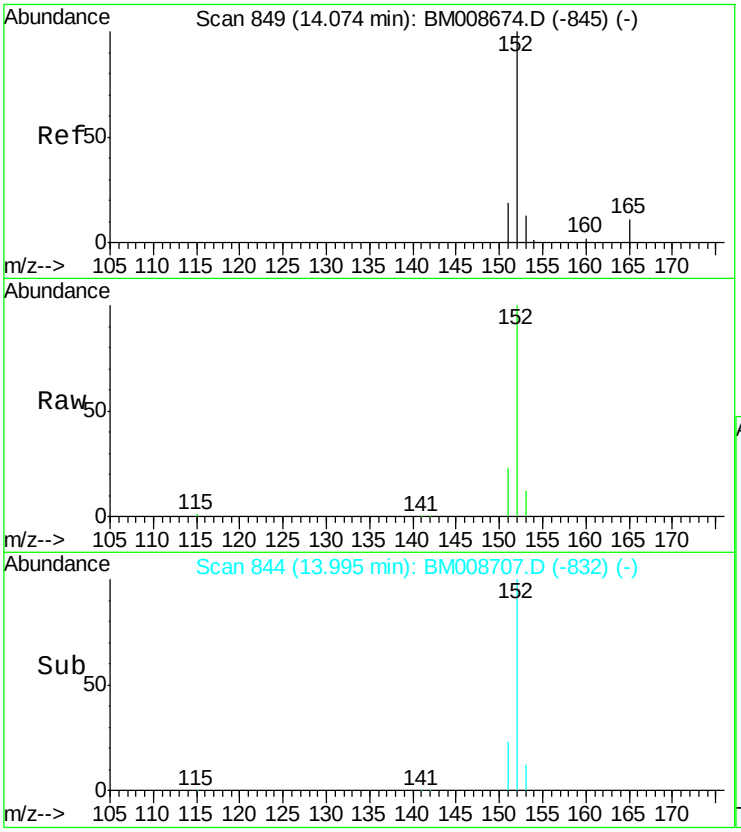


#5
2-Methylnaphthalene
Concen: 0.20 ng/ul
RT: 12.12 min Scan# 664
Delta R.T. -0.11 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:142 Resp: 588

Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.6	108.8

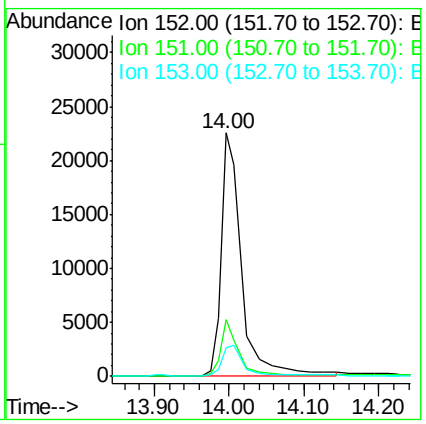




#7
Acenaphthylene
Concen: 10.48 ng/ul
RT: 14.00 min Scan# 844
Delta R.T. -0.08 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:152 Resp: 47825

Ion	Ratio	Lower	Upper
152	100		
151	23.1	17.1	25.7
153	11.8	12.8	19.2#



Instrument :
BNA_M
ClientSampleId :
DA7F6

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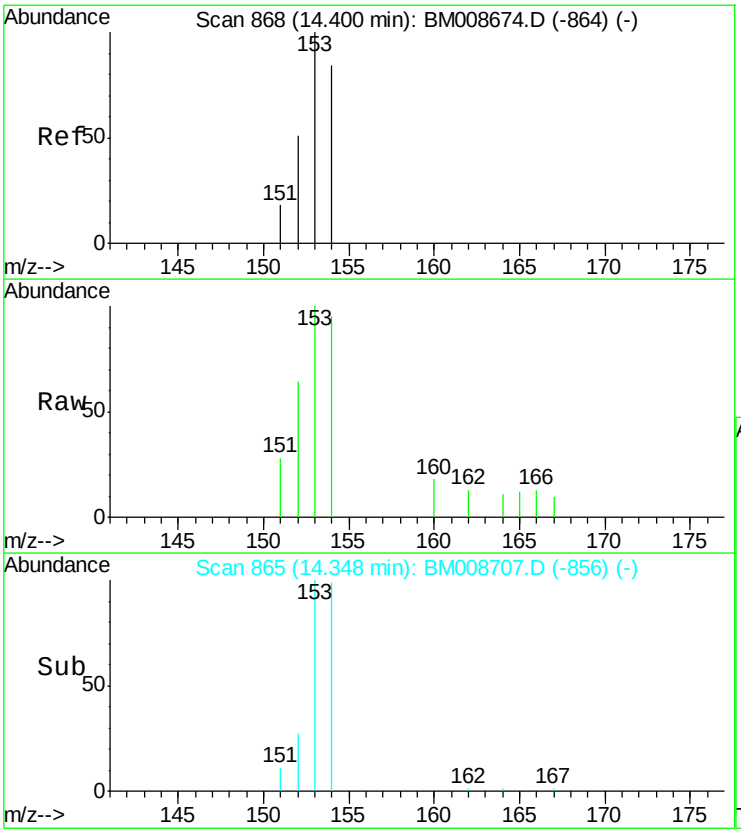
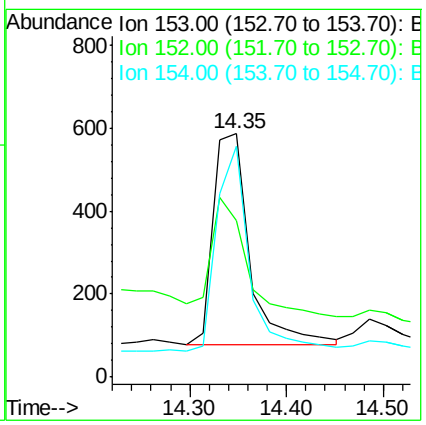
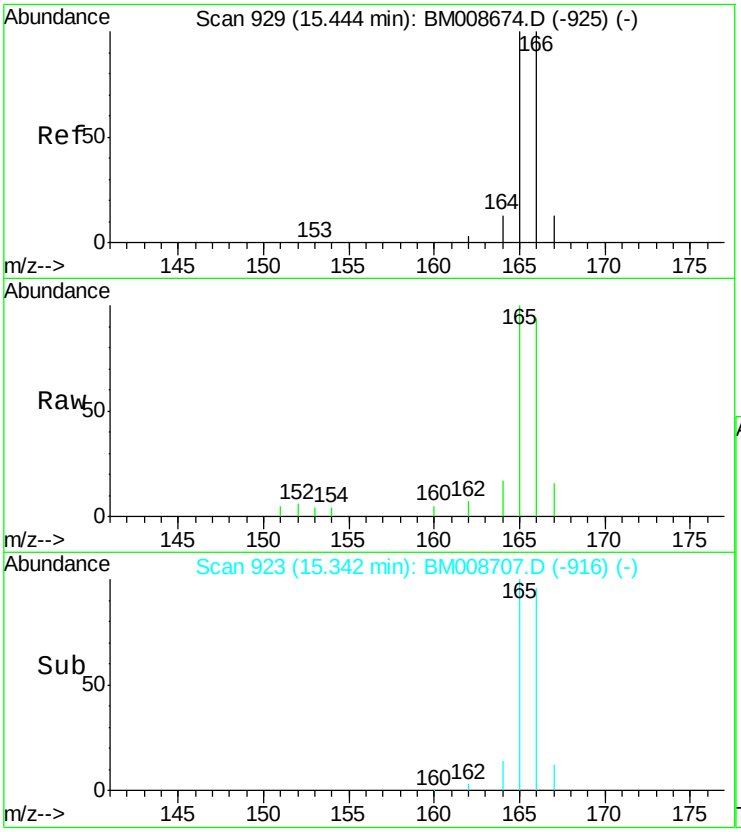


#8
Acenaphthene
Concen: 0.39 ng/ul
RT: 14.35 min Scan# 865
Delta R.T. -0.05 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:153 Resp: 1338

Ion	Ratio	Lower	Upper
153	100		
152	64.4	40.3	60.5#
154	94.9	71.4	107.2

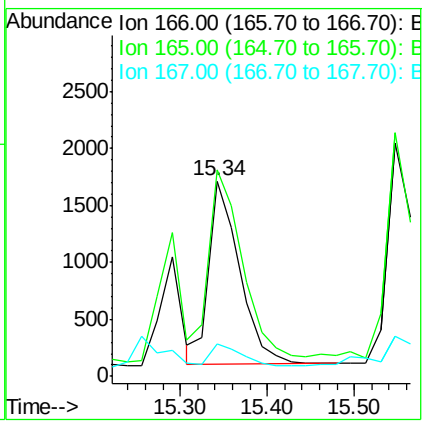




#9
Fluorene
Concen: 1.01 ng/ul
RT: 15.34 min Scan# 923
Delta R.T. -0.09 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:166 Resp: 3976

Ion	Ratio	Lower	Upper
166	100		
165	106.0	73.4	110.2
167	16.7	14.6	22.0



Instrument :
BNA_M
ClientSampleId :
DA7F6

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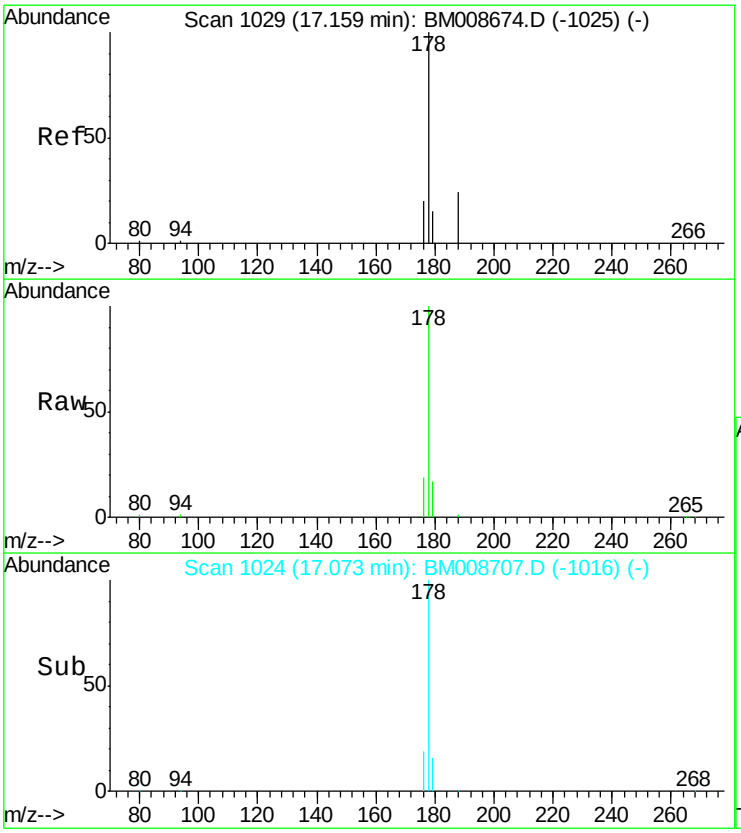
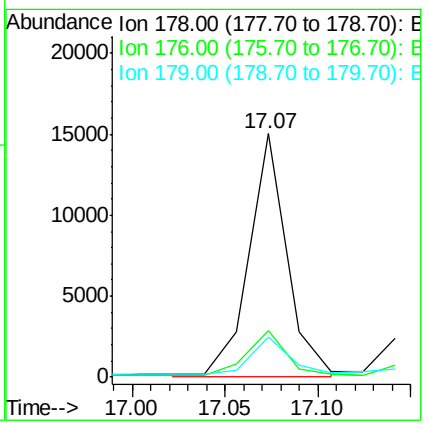
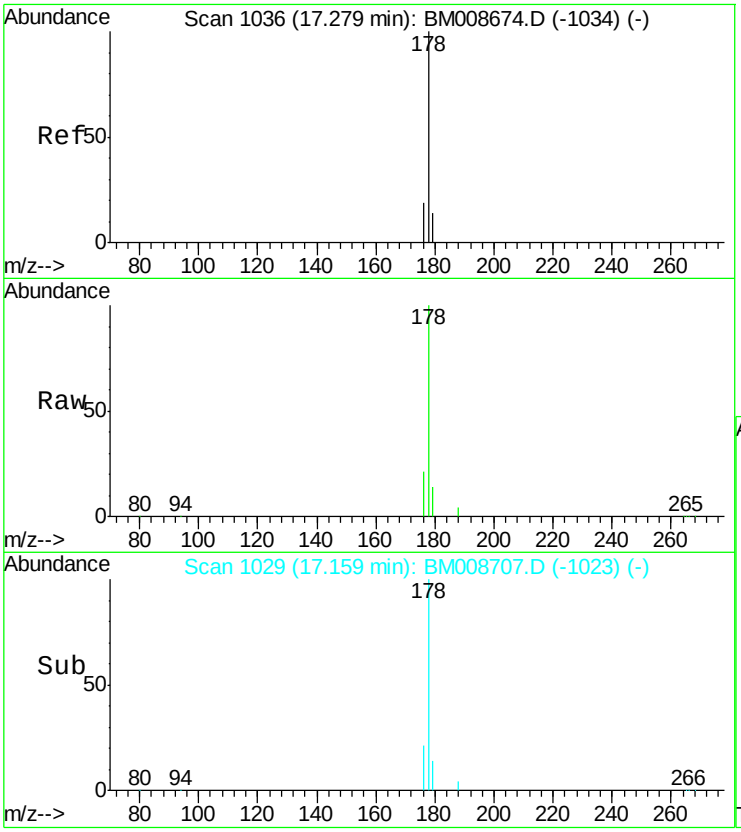


#12
Phenanthrene
Concen: 3.65 ng/ul m
RT: 17.07 min Scan# 1024
Delta R.T. -0.07 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:178 Resp: 21762

Ion	Ratio	Lower	Upper
178	100		
176	19.1	18.4	27.6
179	16.6	13.6	20.4





#13
Anthracene
Concen: 17.56 ng/ul
RT: 17.16 min Scan# 1029
Delta R.T. -0.10 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:178 Resp: 101822

Ion	Ratio	Lower	Upper
178	100		
176	21.5	18.1	27.1
179	13.9	14.7	22.1#

Instrument :
BNA_M
ClientSampleId :
DA7F6

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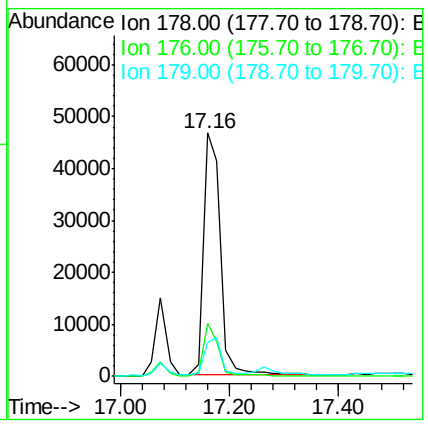
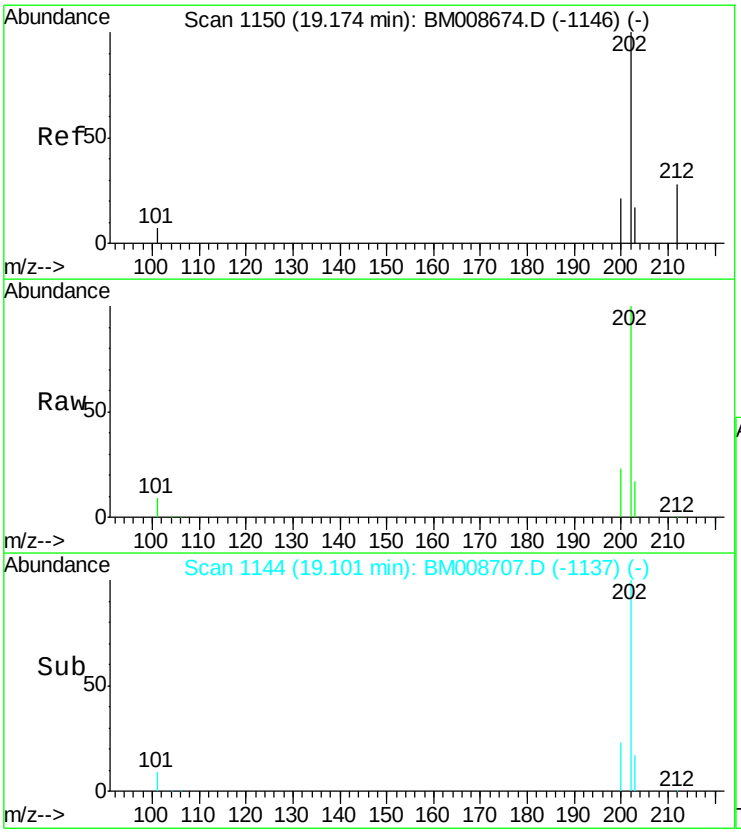
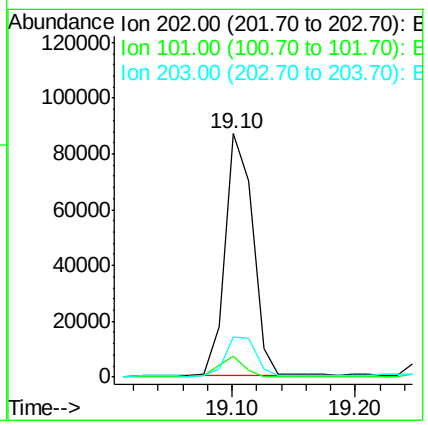


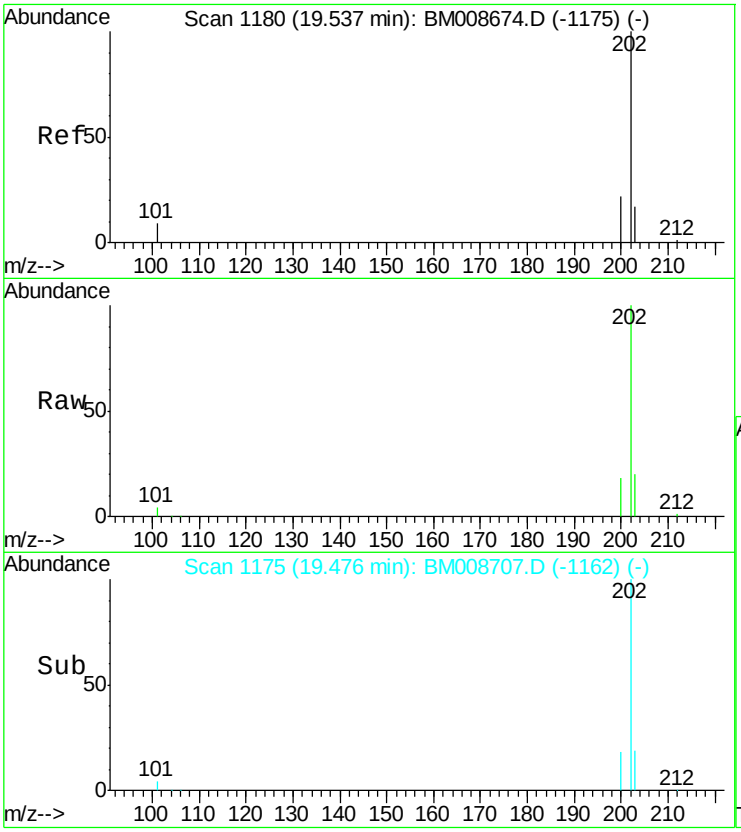


#15
Fluoranthene
Concen: 18.62 ng/ul
RT: 19.10 min Scan# 1144
Delta R.T. -0.06 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:202 Resp: 136248

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	30.3
203	16.5	0.0	39.5

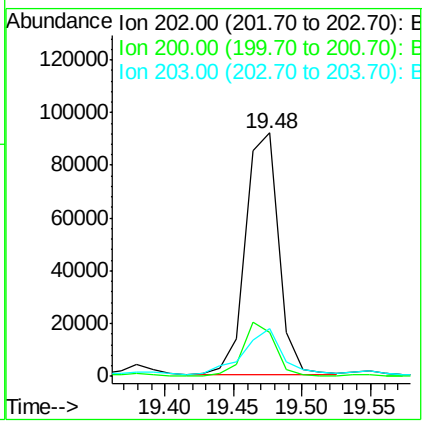




#17
Pyrene
Concen: 19.26 ng/ul
RT: 19.48 min Scan# 1175
Delta R.T. -0.04 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:202 Resp: 153830

Ion	Ratio	Lower	Upper
202	100		
200	18.3	18.2	27.4
203	19.9	15.6	23.4



Instrument :
BNA_M
ClientSampleId :
DA7F6

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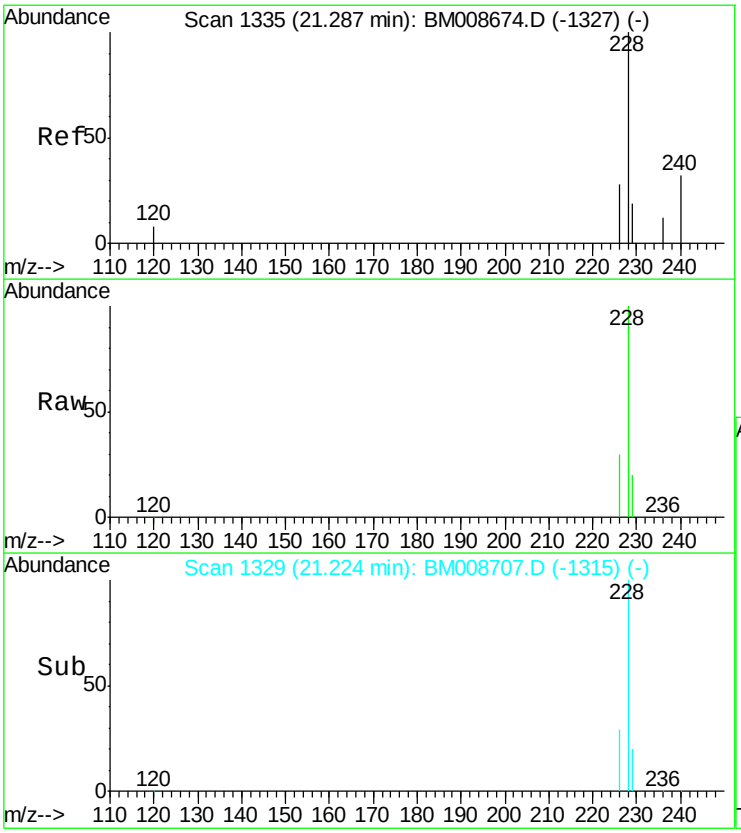
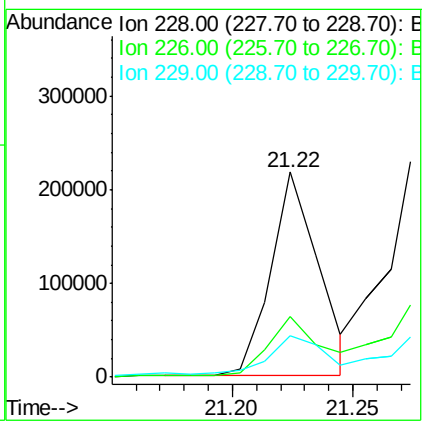
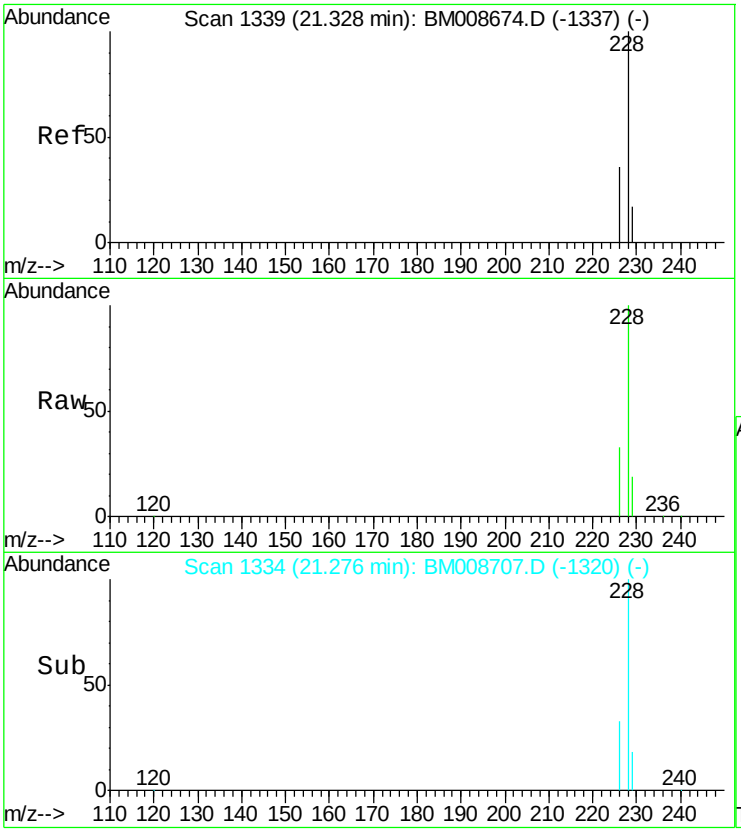


#18
Benzo(a)anthracene
Concen: 43.57 ng/ul m
RT: 21.22 min Scan# 1329
Delta R.T. -0.05 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:228 Resp: 295584

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.8	34.2
229	20.4	17.0	25.6

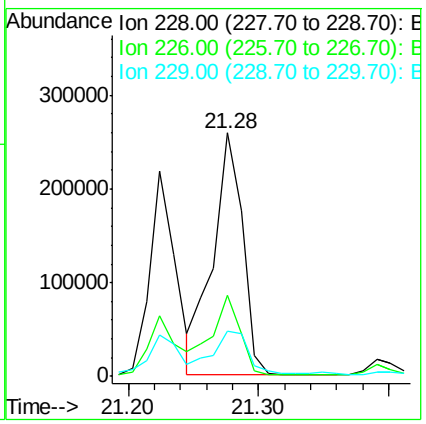




#19
Chrysene
Concen: 55.09 ng/ul
RT: 21.28 min Scan# 1334
Delta R.T. -0.05 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:228 Resp: 409163

Ion	Ratio	Lower	Upper
228	100		
226	33.3	23.4	35.0
229	18.6	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
DA7F6

Manual Integrations APPROVED
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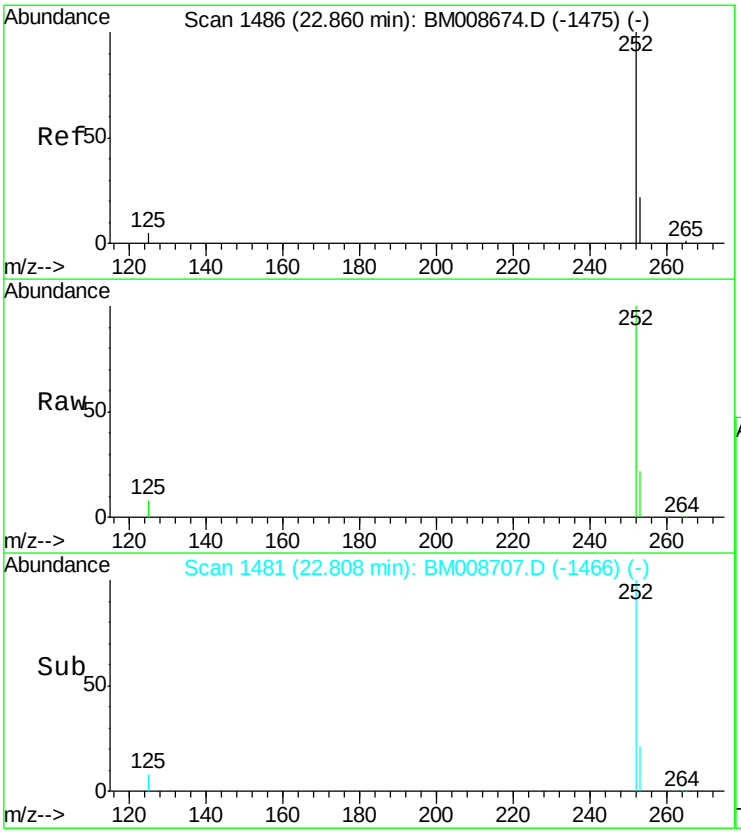
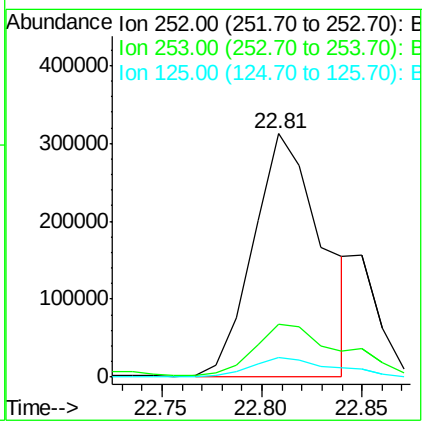
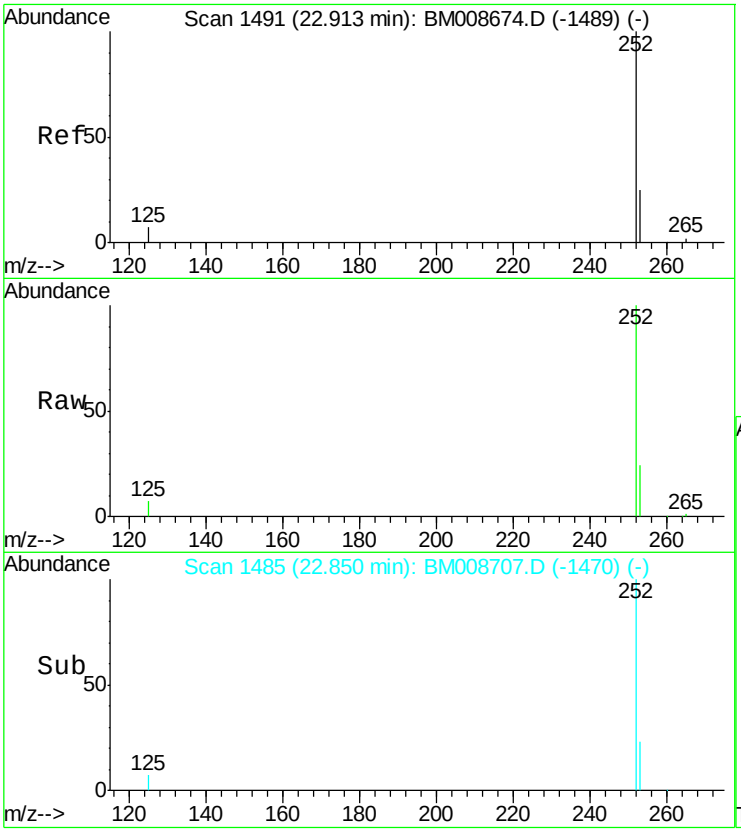


#21
Benzo(b)fluoranthene
Concen: 45.93 ng/ul m
RT: 22.81 min Scan# 1481
Delta R.T. -0.04 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:252 Resp: 749512

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	64.2
125	7.9	0.0	35.0





#22
Benzo(k)fluoranthene
Concen: 9.18 ng/ul m
RT: 22.85 min Scan# 1485
Delta R.T. -0.04 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:252 Resp: 146003

Ion	Ratio	Lower	Upper
252	100		
253	23.8	24.5	36.7#
125	6.9	13.7	20.5#

Instrument :
BNA_M
ClientSampleId :
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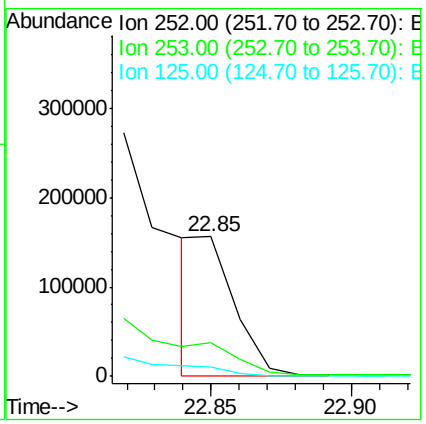
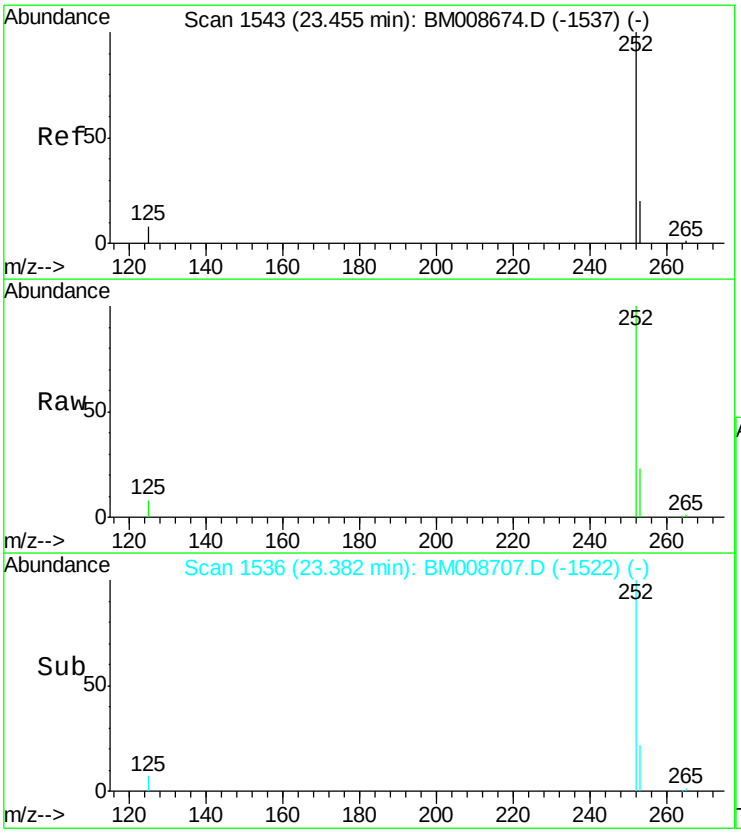
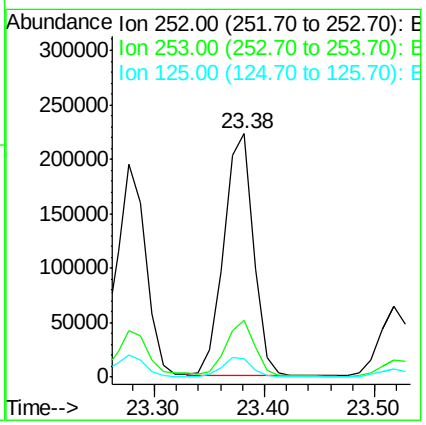


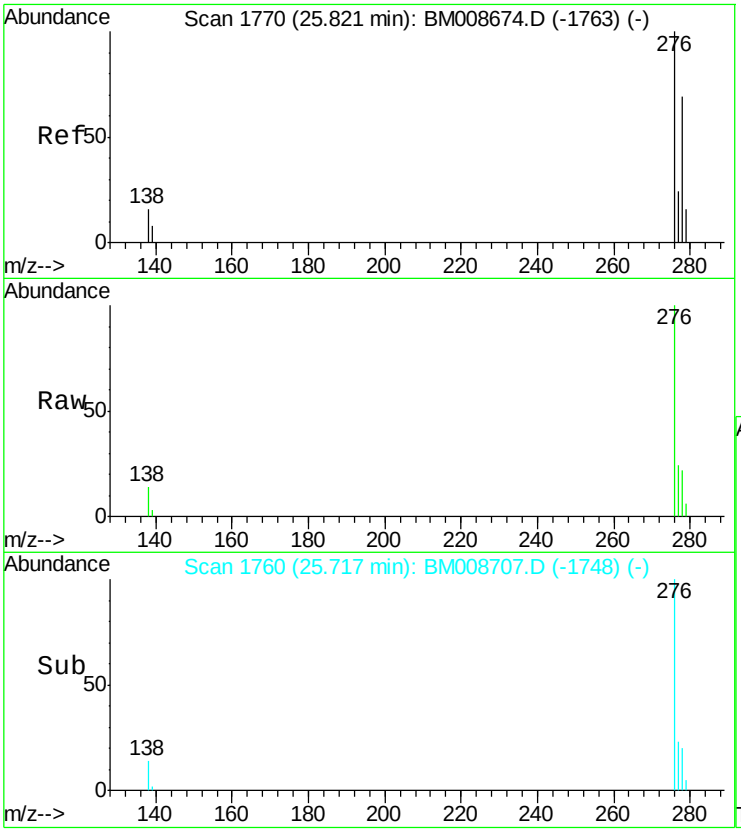


#23
Benzo(a)pyrene
Concen: 27.57 ng/ul
RT: 23.38 min Scan# 1536
Delta R.T. -0.05 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:252 Resp: 416955

Ion	Ratio	Lower	Upper
252	100		
253	23.4	28.5	42.7#
125	7.6	18.1	27.1#





#24
Indeno(1,2,3-cd)pyrene
Concen: 16.65 ng/ul
RT: 25.72 min Scan# 1760
Delta R.T. -0.07 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:276 Resp: 300100

Ion	Ratio	Lower	Upper
276	100		
138	15.1	19.1	28.7#
277	23.7	19.6	29.4

Instrument :
BNA_M
ClientSampleId :
DA7F6

Manual Integrations APPROVED
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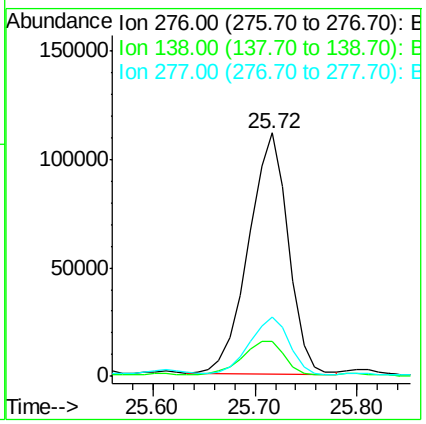
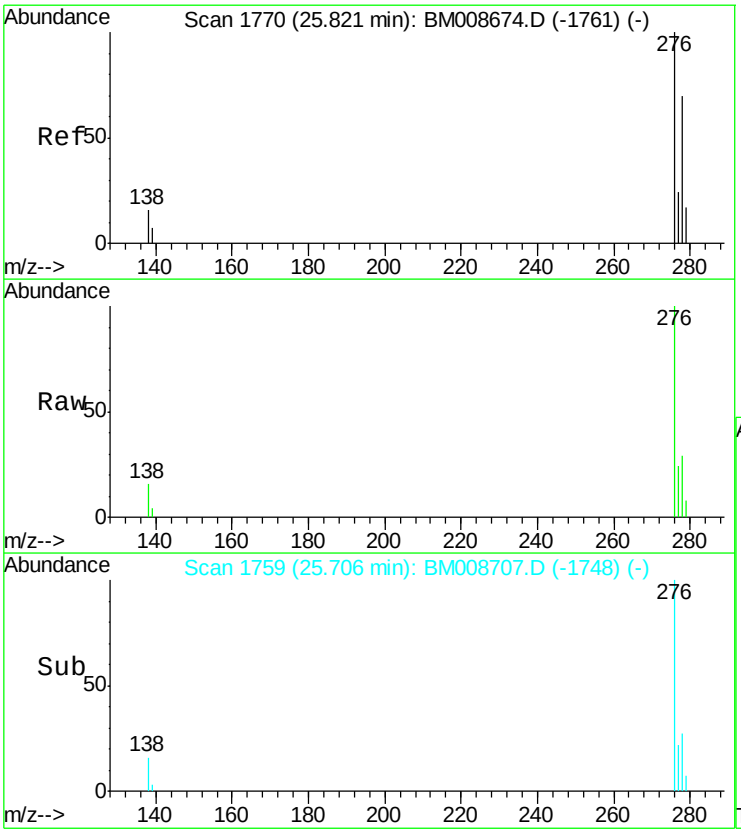
12/30/2016 8:54:07 AM

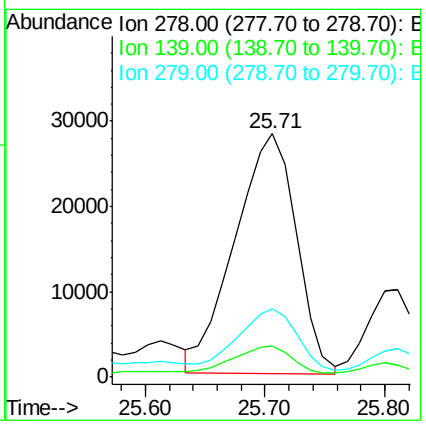


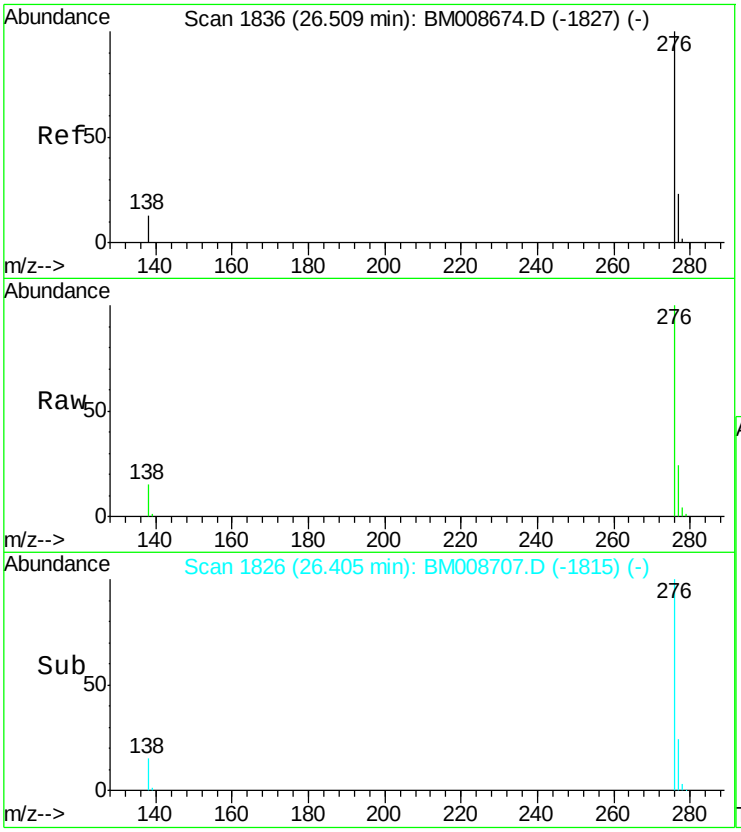


#25
Dibenzo(a,h)anthracene
Concen: 6.97 ng/ul m
RT: 25.71 min Scan# 1759
Delta R.T. -0.08 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:278 Resp: 100411

Ion	Ratio	Lower	Upper
278	100		
139	12.6	17.4	26.0#
279	28.1	25.9	38.9

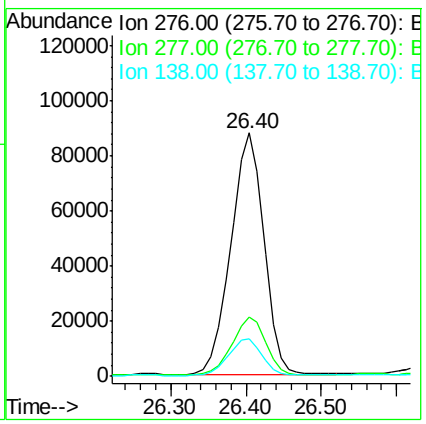




#26
Benzo(g,h,i)perylene
Concen: 17.22 ng/ul
RT: 26.40 min Scan# 1826
Delta R.T. -0.08 min
Lab File: BM008707.D
Acq: 28 Dec 2016 23:21

Tgt Ion:276 Resp: 266092

Ion	Ratio	Lower	Upper
276	100		
277	24.2	21.8	32.8
138	15.3	20.5	30.7#



Instrument :
BNA_M
ClientSampleId :
DA7F6

Manual Integrations APPROVED
mohammad
12/30/2016 8:54:07 AM